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Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.

01114274.2-2119- ✓

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

Japan Storage Battery Company Limited ✓

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☐ abstract

☒ title

☒ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

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REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|---|--|--|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.CI.7) |
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| ② A✓ | US 5 336 572 A (KOKSBANG RENE) 9 August 1994 (1994-08-09) * column 1, line 45 - line 56 * * column 2, line 26 - line 39 * * column 3, line 36 - column 5, line 26 * * claims 1-8,15-21 * | 1-10 | |
| ③ A✓ | SAIDI M Y ET AL: "Investigation of the electrochemical properties of FexV205" SOLID STATE IONICS, NORTH HOLLAND PUB. COMPANY. AMSTERDAM, NL, vol. 82, no. 3, 1 December 1995 (1995-12-01), pages 203-207, XP004050222 ISSN: 0167-2738 * page 204, left-hand column, paragraphs 2,3 * * figure 3 * | 2,3,7,8 | TECHNICAL FIELDS SEARCHED (Int.CI.7) H01M |
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| Place of search THE HAGUE | | Date of completion of the search 27 August 2001 | Examiner Métais, S |
| CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | | | |



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| Place of search THE HAGUE | | Date of completion of the search 27 August 2001 | Examiner Métais, S |
| <div>CATEGORY OF CITED DOCUMENTS</div> <div><div>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</div><div>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document</div></div> | | | |

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ABSTRACT / ZUSAMMENFASSUNG / ABREGE

01114274.2

The positive active material for secondary battery according to the invention comprises O, Fe in an amount of higher than 25% by weight, and V in an amount of from higher than 0% = 4% by weight to less than 35% by weight. The positive active material, when it is free of lithium, exhibits the following main peaks by the X-ray diffractometry using $\text{CuK}\alpha$ rays: a peak within a 2θ range of from greater than 26° to less than 29° and a peak within a 2θ range of from greater than 29° to less than 32° . The non-aqueous secondary battery having a positive electrode comprising this positive active material exhibits a high capacity and good cycle life performance and is inexpensive and environmentally friendly.